

IN THE CLAIMS:

Claims 2-5, 13, and 21 were previously cancelled. Claims 1, 8, and 12 have been amended herein. All of the pending claims 1, 6-12, and 14-20 are presented below. This listing of claims will replace all prior versions and listings of claims in the application. Please enter these claims as amended.

Listing of the Claims:

1. (Currently amended) A cell expressing E1A and E1B proteins of an adenovirus, said cell comprising recombinant nucleic acid encoding an IgA molecule in expressible format, wherein said cell is derived from a human embryonic retinoblast cell as deposited under ECACC number 96022940 by stable transfection of said human embryonic retinoblast cell with the recombinant nucleic acid encoding the IgA molecule in expressible format, wherein the recombinant nucleic acid encoding the IgA molecule in expressible format is integrated into the cell's genome.

2.– 5. (Canceled).

6. (Original) The cell of claim 1, wherein said cell comprises between one and twenty copies of said recombinant nucleic acid encoding the IgA molecule.

7. (Original) The cell of claim 1, wherein said IgA molecule is a human IgA molecule.

8. (Currently amended) A cell expressing E1A and E1B proteins of an adenovirus, said cell comprising recombinant nucleic acid encoding an IgA molecule in expressible format, wherein said cell is derived from a human embryonic retinoblast cell as deposited under ECACC number 96022940 by stable transfection of said human embryonic retinoblast cell with the recombinant nucleic acid encoding the IgA molecule in expressible format, and wherein said IgA

molecule has a constant region comprising amino acids 137 to 489 of SEQ ID NO:3, wherein the recombinant nucleic acid encoding the IgA molecule in expressible format is integrated into the cell's genome.

9. (Previously presented) The cell of claim 1, wherein said cell, when seeded at 0.5×10^6 cells/well and cultured in 6-well tissue culture plates at 37°C in DMEM with 10% serum under an atmosphere containing 10% CO₂, produces at least 5 pg IgA/seeded cell/day.

10. (Previously presented) The cell of claim 9, wherein said cell, when seeded at 0.5×10^6 cells/well and cultured in 6-well tissue culture plates at 37°C in DMEM with 10% serum under an atmosphere containing 10% CO₂, produces at least 20 pg IgA/seeded cell/day.

11. (Previously presented) The cell of claim 10, wherein said cell, when seeded at 0.5×10^6 cells/well and cultured in 6-well tissue culture plates at 37°C in DMEM with 10% serum under an atmosphere containing 10% CO₂, produces at least 40 pg IgA/seeded cell/day.

12. (Withdrawn and currently amended) A method for recombinant production of an IgA molecule, said method comprising:
culturing a cell of claim 1, and
expressing said recombinant nucleic acid encoding an IgA molecule,
thus producing an IgA molecule.

13. (Canceled).

14. (Withdrawn) The method according to claim 12, wherein said cell has from one to twenty copies of said recombinant nucleic acid encoding the IgA molecule.

15. (Withdrawn) The method according to claim 12, wherein said IgA molecule is a human IgA molecule.

16. (Withdrawn) The method according to claim 12, wherein said IgA molecule has a constant region comprising amino acids 137 to 489 of SEQ ID NO:3.

17. (Withdrawn) The method according to claim 12, wherein said cell is seeded at 0.5×10^6 cells/well and cultured in 6-well tissue culture plates at 37°C in DMEM with 10% serum under an atmosphere containing 10% CO₂, thus producing at least 5 pg IgA/seeded cell/day.

18. (Withdrawn) The method according to claim 12, wherein said cell is seeded at 0.5×10^6 cells/well and cultured in 6-well tissue culture plates at 37°C in DMEM with 10% serum under an atmosphere containing 10% CO₂, thus producing at least 20 pg IgA/seeded cell/day.

19. (Withdrawn) The method according to claim 12, wherein said cell is seeded at 0.5×10^6 cells/well and cultured in 6-well tissue culture plates at 37°C in DMEM with 10% serum under an atmosphere containing 10% CO₂, thus producing at least 40 pg IgA/seeded cell/day.

20. (Withdrawn) A process for recombinantly producing a human IgA molecule, said process comprising:

culturing the cell of claim 1, wherein said cell comprises recombinant nucleic acid encoding a human IgA molecule in expressible format, and

expressing said recombinant nucleic acid encoding an IgA,

thus producing a human IgA molecule.

21. (Canceled).